ABSTRACT

A method for removing a red eye from an image includes (1) calculating a weighted red value for each pixel in the image from red, green, and blue color values and a luminance value of each pixel in the image, (2) selecting a plurality of pixels in the image having weighted red values greater than a threshold as red eye pixels, and (3) correcting some of the red eye pixels to remove the red eye from the image. The weighted red value for a pixel is calculated as follows: $f = \dfrac{c_1 r + c_2 g + c_3 b}{Y}$, wherein f is the weighted red value, r is the red color value, g is the green color value, b is the blue color value, c_1 is a first weight given to the red color value, c_2 is a second weigh given to the green color value, c_3 is a third weight given to the blue color value, and Y is the luminance.